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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,031	11/29/2001	Ricky Amos	YOR920010633USI (062)	9669
7:	590 03/28/2005		EXAMINER	
TUNG & ASSOCIATES			LANDAU, MATTHEW C	
Suite 120	ake Road		ART UNIT	PAPER NUMBER
838 W. Long Lake Road Bloomfield Hills, MI 48302 2815				

DATE MAILED: 03/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/995,031	AMOS ET AL.	(gn)		
Office Action Summary	Examiner	Art Unit			
	Matthew Landau	2815			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence addi	ress		
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tily within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	mely filed ys will be considered timely. In the mailing date of this com ED (35 U.S.C. § 133).	munication.		
Status					
1) Responsive to communication(s) filed on 18 Ja	<u>anuary 2005</u> .				
2a)⊠ This action is FINAL . 2b)□ This	s action is non-final.				
3) Since this application is in condition for alloward closed in accordance with the practice under E	•		nerits is		
Disposition of Claims					
4) ☐ Claim(s) 1-5 and 7-16 is/are pending in the ap 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5 and 7-16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.				
Application Papers					
9) The specification is objected to by the Examine	er.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the	• • •	` '			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	,	-	` '		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	is have been received. Is have been received in Applicat Inity documents have been receiv In (PCT Rule 17.2(a)).	tion No ed in this National S	tage		
Attachment(s)	_				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔲 Interview Summary Paper No(s)/Mail D				
Notice of Draftsperson's Patent Drawing Review (P10-948)			52)		

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5 and 7-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin et al. (US Pat. 6,458,695, hereinafter Lin).

Regarding claims 1-3, 5, 8-12, 15, and 16, Figure 11 of Lin discloses a metal oxide semiconductor field effect (MOSFET) device comprising: a semiconducting substrate 10 (Si)(col. 5, lines 10-13) having source/drain regions 52; a gate dielectric layer 60 (SiO₂) having a thickness of 15 angstroms (col. 5, lines 38-43) on the substrate; and a gate 62 formed of Re (col. 5, lines 50-53) on top of said gate dielectric layer.

Regarding claims 4 and 13, Lin discloses the gate dielectric layer can be formed of hafnium oxide (col. 5, lines 44-46).

Regarding claims 7 and 14, it is inherent in the device of Lin that the substrate 10 is n-type or p-type, in order to have a functioning transistor.

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Response to Arguments

Applicant's arguments with respect to claims 1-5 and 7-16 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew C. Landau whose telephone number is (571) 272-1731.

The examiner can normally be reached from 8:30 AM - 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone numbers for the organization where this application or

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proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Matthew C. Landau

Examiner

March 22, 2005

TOM THOMAS SUPERVISORY PATENT EXAMINER